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NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

AREA 640 ACRES
LOCATE WELL CORRECTLY

Company Tidal Oil Company Address Hobbs, N.M.
Send correspondence to T.R. Wade Address Box 1087 Hobbs, N.M.
Boone Hardin Well No. 1 in NE/4 of Sec. 19, T. 18-S
R. 38-E, N. M. P. M., Hobbs Oil Field Lea County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Boone Hardin Address 1st Natl. Bank Seminole, Texas
The lessee is Tidal Oil Company Address Ft. Worth, Texas
If not state or patented land, give status _____
Drilling commenced July 18, 1930 19 _____ Drilling was completed Sept. 7, 1930 19 _____
Name of drilling contractor Champlin & Bass Inc. Address Holdenville, Okla.
Elevation above sea level at top of casing 3664' feet.
The information given is to be kept confidential until _____ 19 _____

OIL SANDS OR ZONES

No. 1, from 3992 to 4057 No. 4, from _____ to _____
No. 2, from 4062 to 4096 No. 5, from _____ to _____
No. 3, from 4106 to 4205 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 137 to 183 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATED		PURPOSE
							FROM	TO	
<u>20"</u>	<u>90#</u>	<u>8</u>	<u>L.W.</u>	<u>93'4"</u>	<u>none</u>		<u>none</u>		<u>Surface pipe</u>
<u>15 1/2"</u>	<u>70#</u>	<u>8</u>	<u>do</u>	<u>219'11"</u>	<u>T.P.</u>				<u>Water Shut-off</u>
<u>9-5/8"</u>	<u>36#</u>	<u>8</u>	<u>Bmls</u>	<u>2760'9"</u>	<u>Bkr. Flt.</u>				
	<u>Two bottom joints and shoe welded on.</u>								<u>Oil String</u>
<u>7" OD</u>	<u>24#</u>	<u>8</u>	<u>Bmls</u>	<u>3901'4"</u>	<u>Bkr. Flt.</u>				
	<u>Two bottom joints and shoe welded on.</u>								

MUDDING AND CEMENTING RECORD

SIZE	WHERE SET	NO. SACKS OF CEMENT			METHODS USED	MUD GRAVITY	AMOUNT OF MUD USED
<u>15 1/2"</u>	<u>219'11"</u>	<u>200</u>	<u>sax</u>	<u>Oil Well</u>	<u>Halliburton</u>	<u>10#</u>	<u>Hole Full</u>
<u>9-5/8"</u>	<u>2760'9"</u>	<u>600</u>	"	"	"		<u>do</u>
<u>7" OD</u>	<u>3901'4"</u>	<u>300</u>	"	"	"		<u>do</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

SIZE	SHELL USED	EXPLOSIVE USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT

TOOLS USED

Rotary tools were used from 0 feet to 4205 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing Sept. 12, 191930
The production of the first 24 hours was 7808 barrels of fluid of which 99.9 % was oil; .1 % emulsion; _____ % water; and _____ % sediment. Gravity, Be 37.0
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYES

M.M. Colleum, Driller _____, Driller
Mr. King, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 22 Name J.R. Wade
day of September, 1930 Postion Dist. Foreman.
Mary Frances Best Representing Tidal Oil Company.
Notary Public. _____ Company or Operator
My commission expires June 10 1934

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	240		Surface
240	1135		Red Bed
1135	1215		Shells & Red Bed
1215	1220		Lime
1220	1270		Red Bed
1270	1275		Lime
1275	1310		Broken Sandy Lime
1310	1345		Shells & Red Bed
1345	1360		Broken Lime
1360	1415		Red Bed
1415	1485		Shells & Red Bed
1485	1512		Anhydrite
1512	1572		Shale & Anhydrite
1572	1590		Anhydrite
1590	1597		Red Bed, Sticky
1597	1630		Anhydrite
1630	1660		Lime Shells & Shale
1660	1713		Red Bed
1713	1808		Lime Shells & Red Bed
1808	1830		Potash & Shale
1830	2550		Salt
2550	2585		Lime
2585	2635		Broken Lime & Shale
2635	2650		Anhydrite
2650	2685		Lime
2685	2709		Shale & Lime
2709	2730		Lime (Hard)
2730	2750		Red Bed
2750	2756		Anhydrite
2756	2831		Lime & Shale
2831	2840		Sand & Shale
2840	2954		Shale & Anhydrite
2954	3220		Anhydrite & Sand
3220	3295		Anhydrite & Shale
3295	3498		Anhydrite & Sand
3498	3556		Anhydrite & Lime
3556	3630		Anhydrite & Sand
3630	3680		Lime & Sand
3680	3722		Lime
3722	3930		Lime & Sand
3930	3995		Lime
3995	4099		Lime & Sand
4099	4105		Lime
4105	4114		Sand
4114	4205		Brown Lime
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This well did not show any shallow oil in 3200' Pay.
 Struck Brown Lime at 4035' and was losing returns at 4106' 4040'.
 Losing some returns at 4106'.
 From 4188' to 4196' lost 50% returns.
 4066 to 4096' Broken Lime and Very soft
 4106 to 4196 Broken Lime Soft
 Show of gas at 2815'
 Show of gas at 3750'